



Technical Data Sheet

VORASURF™ DC 5951 Additive

Silicone surfactant for production of flexible polyurethane foams

Features & Benefits

- High-efficiency surfactant for a wide variety of formulations
- Surfactant suitable for MDI viscoelastic foam
- Surfactant suitable high ethylene oxide rich polyol-based MDI/ TDI systems (aka supersoft systems)
- Surfactant for low to medium density foams produced using a wide range of blowing agents such as CO₂, acetone, or vacuum

Applications

- Designed for use in flexible slabstock foams including TDI/MDI systems using EO rich polyols, low-medium density foams using auxiliary blowing agents

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Property	Unit	Result
Viscosity at 25°C	mPa.s	2300
Calculated OH #	mg KOH/g	0
Specific Gravity at 25°C		1.03
Water Solubility ¹		Soluble
Flash Point, Pensky-Martens Closed Cup	°C	> 94

1. Based on 0.5 wt % solution measurements.

How to Use

The recommended use level for VORASURF™ DC 5951 Additive is ~1 pphp for conventional foam and ~1–2 pph for TDI/MDI based EO rich systems and low density systems. The optimum surfactant loading should be defined for the foam formulation.

Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Usable Life and Storage

When stored at ambient temperature in the original unopened containers, this product has a shelf life of 18 months from the date of production.

Packaging Information

VORASURF™ DC 5951 Additive is usually available in IBCs and drums.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Health and Environmental Information

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, dow.com or consult your local Dow representative.

Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

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